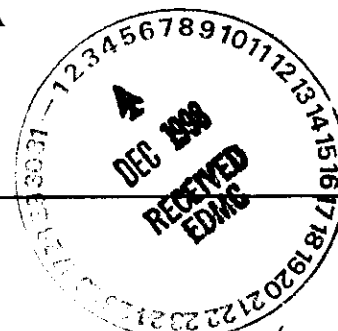


Meeting Minutes Transmittal/Approval
 Tank Waste Remediation System
 Tri-Party Agreement Project Manager's Meeting
 Federal Building, Room 590A
 Richland, Washington

August 27, 1998



Approval: *Suzanne Dahl*
 Suzanne Dahl, TWRS Disposal Program Manager
 Washington State Department of Ecology

Date: 10/21/98

Approval: *Felix R. Mieron*
 Carolyn Haass, TWRS TPA Program Manager
 U.S. Department of Energy, Richland Operations Office

Date: 10/15/98

Approval: *Lynne Roeder-Smith*
 L. Roeder-Smith, Coordinator
 Jacobs Engineering Group Inc.

Date: 10/14/98

Meeting Minutes are attached. Minutes are comprised of the following:

- Attendance and Meeting Minutes Summary/Action Items
- Presentation Package/Agenda
- Handout: Ecology TWRS program organization
- Handout: M-41-00 Status
- Handout: Operational Waste Volume Project Assumptions (HNF-SD-WM-ER-029, Rev. 24)
- Copy of Congressional Commerce Committee Questions on Privatization Contract
- Single-Shell Tank Retrieval Program Mission Analysis Report (HNF-2944, Rev. 0)

Attendance:

DOE

Dennis Irby
Pete Furlong
Carolyn Haass
Phil LaMont
Felix Miera
Jim Navarro
Bruce Nicoll
Carolina Pacheco
Jim Poppiti
Mark Ramsay

ECOLOGY

Suzanne Dahl
Dave Dougherty
Bob Julian

CONTRACTORS

Mary Ann McLaughlin, FDH
Lynne Roeder-Smith, Jacobs Engineering
Marc Stevenson, FDH

Action Items Generated:

ACTION	ACTIONEE	DUE DATE
Provide Ecology with a copy of the Milestone Crosswalk Table for M-62-00	F. Miera	9/30/98
Provide Ecology with a list of upcoming TWRS NOCs <i>(ready to be delivered at 10/15/98 Project Manager's Mtg.)</i>	F. Miera / L. Roeder-Smith	10/15/98 <i>Complete</i>
Provide a copy of the SST Retrieval Sequence Document to S. Dahl and S. McKinney <i>(hand-delivered to Dahl during 8/27/98 meeting. Copy mailed to S. McKinney on 9/17/98).</i>	B. Nicoll	10/15/98 <i>Complete</i>
Provide a copy of the HLW CDR to B. Julian	P. LaMont	9/30/98

INTRODUCTION (page 1) - CAROLYN HAASS, DOE-RL

S. Dahl provided a breakout of Ecology's temporary position leads. S. Dahl is Ecology's Acting TWRS Disposal Division Project Manager, and A. Stone is Ecology's Acting TWRS Storage Division Project Manager.

F. Miera will be the Acting DOE Lead for the TWRS Tri-Party Agreement Project Manager's Meetings until another DOE person is assigned.

FY 1998 MILESTONE PERFORMANCE & STATUS (page 13-17) - CAROLYN HAASS, DOE-RL

Action: F. Miera will provide Ecology with the milestone crosswalk table for M-62.

Ecology did not grant an extension of dispute resolution for the proposed RCRA Corrective Action at the Project Manager level. Ecology is planning to make a decision (internally) by the week ending September 4, 1998. DOE will continue planning efforts and encouraged Ecology to participate in these discussions.

M-32-00, DANGEROUS WASTE TANK CORRECTIVE ACTIONS (page 18) - CAROLYN HAASS, DOE-RL

Ecology's acting point-of-contact for this milestone is A. Stone.

M-40-00, SAFETY ISSUE RESOLUTION (page 18) - DENNIS IRBY, DOE-RL

D. Irby explained that any potential delay to safety issue resolution activities is budget-driven. DOE is planning to close the Flammable Gas Unreviewed Safety Question, M-40-09.

The Organic Solvent Safety Document (PNNL-11698, September 1997) shows that 82 tanks have indications of organic solvents in the vapor space. S. Dahl would like to be kept informed of any activities that relate to retrieval or processing.

OTHER: PERMITTING (page 24) - CAROLYN HAASS, DOE-RL

Ecology would like to regularly receive a list of TWRS NOCs (Notices of Construction) that are coming up. (F. Miera and L. Roeder-Smith will follow up).

RCRA: R. McNulty is the DOE-TWRS point-of-contact.

M-41-00, INTERIM STABILIZATION (page 18) - CAROLINA PACHECO, DOE-RL

(Handout provided). Management Assessment was approved by the RL Manager on 8/24/98. RL has a meeting scheduled for the week of September 1, 1998 to define responsibilities for stabilizing tank C-103. RL is working to Revision 1 of the Interim Stabilization Recovery Plan (submitted May 10, 1998). A DOE Independent Cost Estimate review began on August 24, 1998.

M-46-60, DOUBLE SHELL TANK SPACE (page 21) – MARK RAMSAY, DOE-RL

RL received the Operational Waste Volume Projection Report from the contractor on August 27, 1998. M. Ramsay faxed the first five pages (summary and assumptions) of the report to S. McKinney and provided a copy of these pages for the record.

M-43-11, TANK FARM UPGRADES (page 18) - JIM NAVARRO, DOE-RL

Completion of M-43-12 relates to the milestone due in June 1999; construction began in the AN Tank Farm in March 1998. Ecology will review the project construction schedule (M-43-11) and contact DOE if questions remain.

TWRS Transfer Facility Compliance Plan – outstanding issues regarding permit deferrals being worked between Ecology Representative and contractor, to update. Check with M. Royack, DOE or Phil Miller, PHMC for detailed status.

M-44-00A, TANK WASTE CHARACTERIZATION (page 19) – JIM POPPITI, DOE-RL

No comments.

OTHER: VADOSE ZONE – JIM POPPITI, DOE-RL

Ecology will be sending a letter recommending the \$12 million budget scenario, but will endorse the plan currently presented (\$8 million). Keep S. Dahl informed of any DQO/interagency meetings for detailed characterization plan (J. Poppiti to coordinate with D. Olson).

M-45-00, SINGLE SHELL TANK CLOSURE (page 20) – BRUCE NICOLL AND TOM HOERTKORN, DOE-RL

SST Retrieval Logic and Scoping Analysis submitted to Ecology (S. Dahl) and provided for the record (HNF-2944, Revision 0, August 6, 1998).

Action: B. Nicoll will send a copy of SST Retrieval Sequence document to S. Dahl when complete.

T. Hoertkorn discussed the schedule for completion of C-106, "Initiate Sluicing" milestone commitment due 9/30/98. DOE ORR Draft Report due 9/5/98. Critical Decision 4 (Initiate Sluicing Operations) request to Wagoner on 9/30/98. Ventilation hot tie-ins during the first two weeks in October. Supernatant temperature equalization and level adjustment will begin in mid-October. Sludge removal activity to begin in November 1998.

M-50, 51, 60, 61-00, TREATMENT AND IMMOBILIZATION OF HANFORD TANK WASTE (Page 21) – PETE FURLONG, DOE-RL

P. Furlong provided a copy of the Congressional Committee questions on the privatization contract to Ecology and for the record. Ecology inquired as to when the IPTs would start again and were advised by DOE to direct their question to BNFL Inc. The PHMC will work to the 90% schedule as detailed in the DOE/BNFL Inc. contract.

M-90-60, IHLW AND ILAW STORAGE AND DISPOSAL FACILITIES (Page 23) – PHIL LAMONT, DOE-RL

Updated Project Management Plans are due by the end of Fiscal Year 1999, per Ecology letter dated 7/31/98. RL is sending the Immobilized Low-Activity Waste Performance Assessment to the Nuclear Regulatory Commission in support of the incidental waste classification for low activity tank waste. **Action:** P. LaMont will provide a copy of the High Level Waste Conceptual Design Report to B. Julian.

Tri-Party Agreement Project Manager's Meeting



U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

August 27, 1998

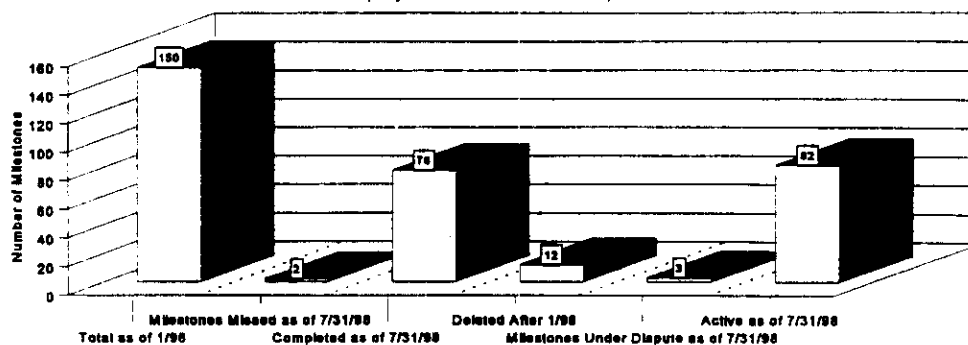
Agenda

Tank Waste Remediation System Tri-Party Agreement Project Manager's Meeting
 August 27, 1998
 Federal Building Room 590-A
 1:00 - 4:00 pm

TOPIC	DISCUSSION LEADS	TIME
Introduction	Carolyn Haass	1:00
FY 1998 Cost, Schedule, and Tri-Party Agreement Milestone Performance Overview	Carolyn Haass	1:05
FY 1998 TWRS Tri-Party Agreement Milestones Status/Issues/Planned Activities		1:15
M-32-00, Complete Identified Dangerous Waste Tank Corrective Actions	Carolyn Haass	1:30
M-40-00, Safety Issue Resolution	Dennis Irby/ Alex Stone	1:40
M-41-00, Interim Stabilization	Lina Pacheco/ Casey Ruud	1:50
M-43-11, Tank Farm Upgrades	Jim Navarro/ Dick Heggen	2:15
M-44-00, Tank Waste Characterization	Jim Poppiti/ Dave Dougherty	2:30
M-45-00, Single Shell Tank Closure	Bruce Nicoll/ Scott McKinney	2:45
M-46-00, Double Shell Tank Space Evaluation	Mark Ramsay/ Scott McKinney	3:00
M-50, 51, 60, 61-00, Treatment and Immobilization of Hanford Tank Waste	Pete Furlong/ Suzanne Dahl	3:15
M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and storage/disposal of ILAW	Phil LaMont/ Bob Julian	3:30
Other	Carolyn Haass/ Suzanne Dahl	3:45
<ul style="list-style-type: none"> • Permitting (RCRA, CAA) • FSAR • Vadose Zone • Public Involvement 		
Closing Comments / Action Item Recap	Carolyn Haass	3:55

TPA Milestone Statistics

(Major and Interim Milestones)

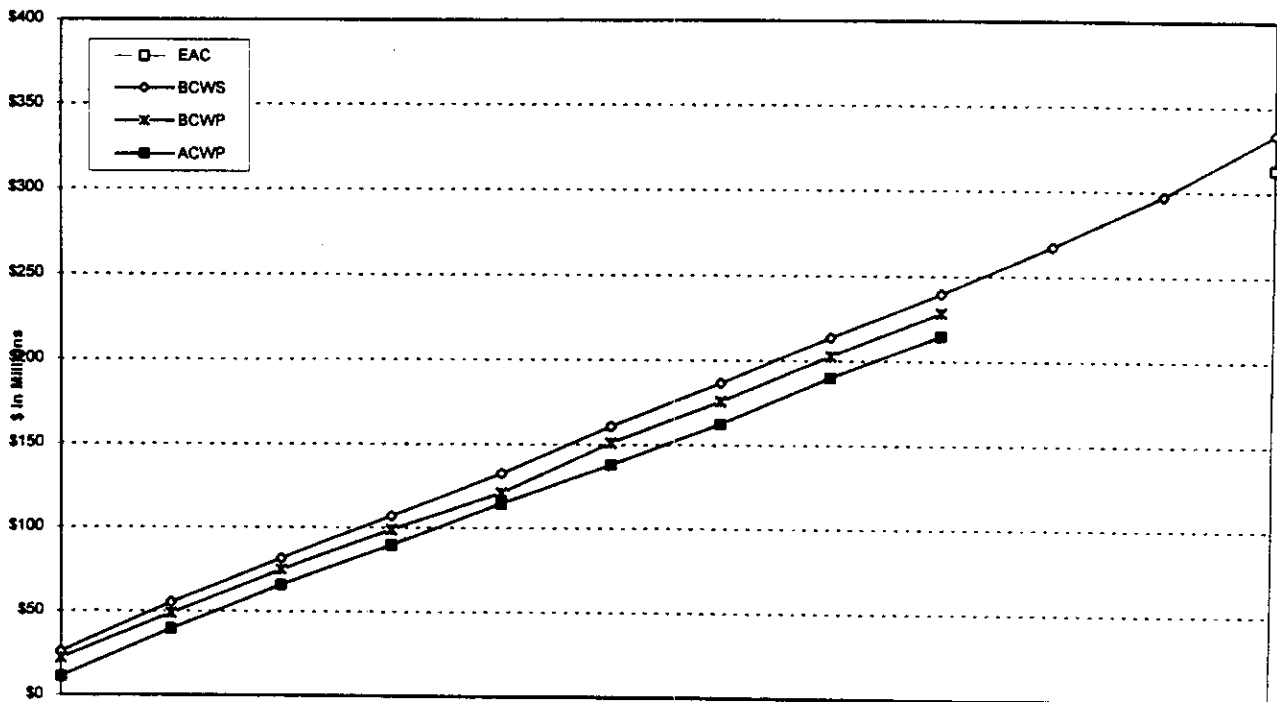


	Milestone Completion Date	Total Milestones as of 1/98	Milestones Completed as of 7/31/98	Milestones Deleted After 1/98	Milestones Under Dispute as of 7/31/98	Milestones Active as of 7/31/98	Milestones Missed as of 7/31/98
M-40-00 Mitigate/Resolve Tank Safety Issues for High Priority Watch List Tanks	9/30/2001	19	16	0	1	3	0
M-41-00 Complete Single Shell Tank Interim Stabilization	9/30/2000	19	12	0	1	7	2
M-43-00 Complete Tank Farm Upgrades	6/30/2005	20	14	0	0	6	0
M-44-00 Double and Single Shell Tank Characterization	9/30/2002	23	16	12	0	18	0
M-45-00 Complete Closure of all Single Shell Tank Farms	9/30/2024	29	8	0	1	21	0
M-46-00 Double Shell Tank Space Evaluation	9/30/1998	20	8	0	0	12	0
M-50-00 Complete Pretreatment Processing of Hanford Tank Wastes	9/30/2024	4	2	0	0	2	0
M-51-00 Complete Vitrification of Hanford High Level Tank Waste	12/31/2028	4	1	0	0	3	0
M-60-00 Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste	12/31/2024	(12)*	7	0	0	(5)*	0
M-61-00* Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste	12/31/2028	4	0	0	0	4	0
M-90-00 Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD	8	1	0	0	7	0
Total		150	78	12	3	82	2

*DOE abandoned the primary path per letter dated June 18, 1998. M-60-00 milestones were automatically deleted from the Tri-Party Agreement, and M-61-00 milestones were activated under the alternate path (Ecology and EPA stated their disagreement with this footnote at the July 28, 1998 IAMIT meeting).

Tank Waste Remediation System

FY 1998 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status



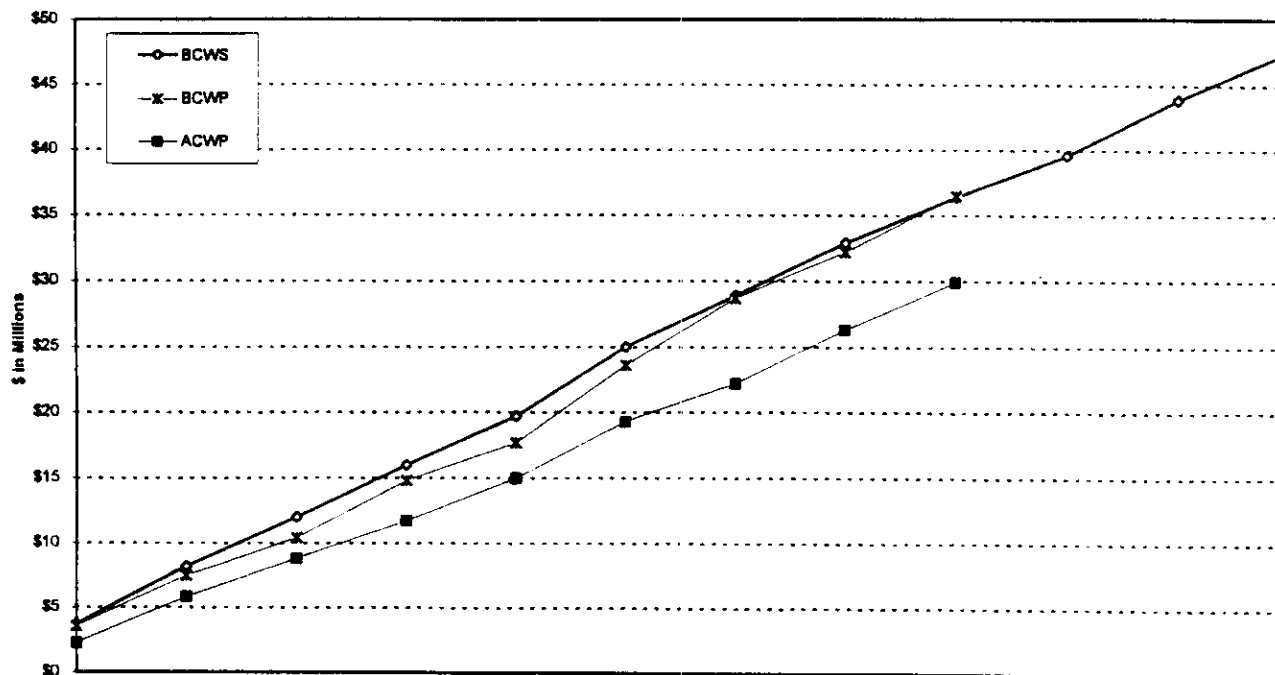
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
EAC												313.4
MYWP	31.3	55.9	84.7	113.4	138.7	166.6	194.4	218.9	245.5	271.0	295.8	321.2
BCWS	26.0	55.2	81.6	106.9	132.5	160.9	186.6	213.8	239.4	267.3	297.1	334.0
BCWP	22.0	48.7	74.9	98.9	120.9	150.9	175.7	202.7	228.5			
ACWP	11.0	39.4	65.8	89.8	114.6	137.9	162.2	189.9	214.7			
SV	(3.9)	(6.5)	(6.6)	(6.0)	(11.6)	(10.0)	(10.9)	(11.1)	(10.9)			
CV	11.0	9.3	9.2	9.1	6.4	13.0	13.5	12.8	13.9			

*This information is contained in the Hanford Site Performance Report, available on the Internet under DOE Hanford's Home Page at www.hanford.gov/hspr/toc.htm. Slight differences in totals may be due to rounding.

				FYTD					PTS	
				BCWS	BCWP	ACWP	SV	CV	Cur BSLN	
1.1.1.1	TWRS Management Support	Expense		28.5	27.7	25.7	(0.8)	2.0	40.4	
TW10		CENRTC		0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1.1.1.1			28.5	27.7	25.7	(0.8)	2.0	40.4	
WASTE STORAGE										
1.1.2.1	Tank Farm Operations	Expense		66.4	64.4	68.1	(2.0)	(3.6)	91.5	
TW03		CENRTC		0.5	0.4	0.3	(0.1)	0.1	0.6	
		GPP/LI		17.3	13.8	12.8	(3.6)	1.0	27.4	
	Subtotal 1.1.2.1			84.2	78.6	81.2	(5.7)	(2.5)	119.5	
1.1.2.2	Tank Safety Issue Resolution	Expense		20.7	20.7	18.4	0.0	2.3	28.7	
TW02		CENRTC		2.1	2.2	1.9	0.1	0.2	2.3	
		GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1.1.2.2			22.8	22.9	20.3	0.1	2.5	31.0	
1.1.2.4	Tank Waste Characterization	Expense		36.4	36.5	29.9	0.1	6.6	48.2	
TW01		CENRTC		0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1.1.2.4			36.4	36.5	29.9	0.1	6.6	48.2	
TOTAL WASTE STORAGE				Expense	123.5	121.6	116.4	(1.9)	5.3	168.4
		CENRTC		2.6	2.6	2.2	0.0	0.3	2.9	
		GPP/LI		17.3	13.8	12.8	(3.6)	1.0	27.4	
	Total Waste Storage			143.4	138.0	131.4	(5.5)	6.6	198.7	
WASTE DISPOSAL										
1.1.3.1	Retrieval	Expense		35.0	30.6	32.6	(4.4)	(2.0)	46.2	
TW04		CENRTC		0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI		9.5	9.8	5.0	0.3	4.8	15.2	
	Subtotal 1.1.3.1			44.5	40.4	37.6	(4.1)	2.8	61.4	
1.1.3.4	Immobilized Tank Waste	Expense		7.7	7.7	6.7	0.0	1.0	11.0	
TW09	Storage & Disposal	CENRTC		0.1	0.1	0.2	0.0	0.0		
		GPP/LI		0.0	0.0	0.0	0.0	0.0		
	Subtotal 1.1.3.4			7.8	7.8	6.9	0.0	1.0	11.3	
1.1.3.5	Process Waste Support	Expense		11.5	11.4	10.2	(0.1)	1.1	8.9	
TW05		CENRTC		0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1.1.3.5			11.5	11.4	10.2	(0.1)	1.1	8.9	
1.1.3.6	TWRS Privatization	Expense		0.0	0.0	0.0	0.0	0.0	6.1	
		CENRTC		0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal 1.1.3.6			0.0	0.0	0.0	0.0	0.0	6.1	
TOTAL WASTE DISPOSAL				Expense	54.2	49.7	49.5	(4.5)	0.1	72.2
		CENRTC		0.1	0.1	0.2	0.0	0.0	0.3	
		GPP/LI		9.5	9.8	5.0	0.3	4.8	15.2	
	Total Waste Disposal			63.8	59.6	54.7	(4.2)	4.9	87.7	
HTI										
	HTI	Expense		3.6	3.2	2.9	(0.4)	0.3	7.2	
		CENRTC		0.0	0.0	0.0	0.0	0.0	0.0	
		GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0	
	Subtotal HTI			3.6	3.2	2.9	(0.4)	0.3	7.2	
TANK WASTE REMEDIATION SYSTEMS				Expense	209.8	202.2	194.5	(7.6)	7.7	288.2
		CENRTC		2.7	2.7	2.4	0.0	0.3	3.2	
		GPP/LI		26.8	23.8	17.8	(3.0)	2.8	42.5	
	TWRS Total			239.3	228.5	214.7	(10.9)	13.8	334.0	

Tank Waste Characterization

FY 1998 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status



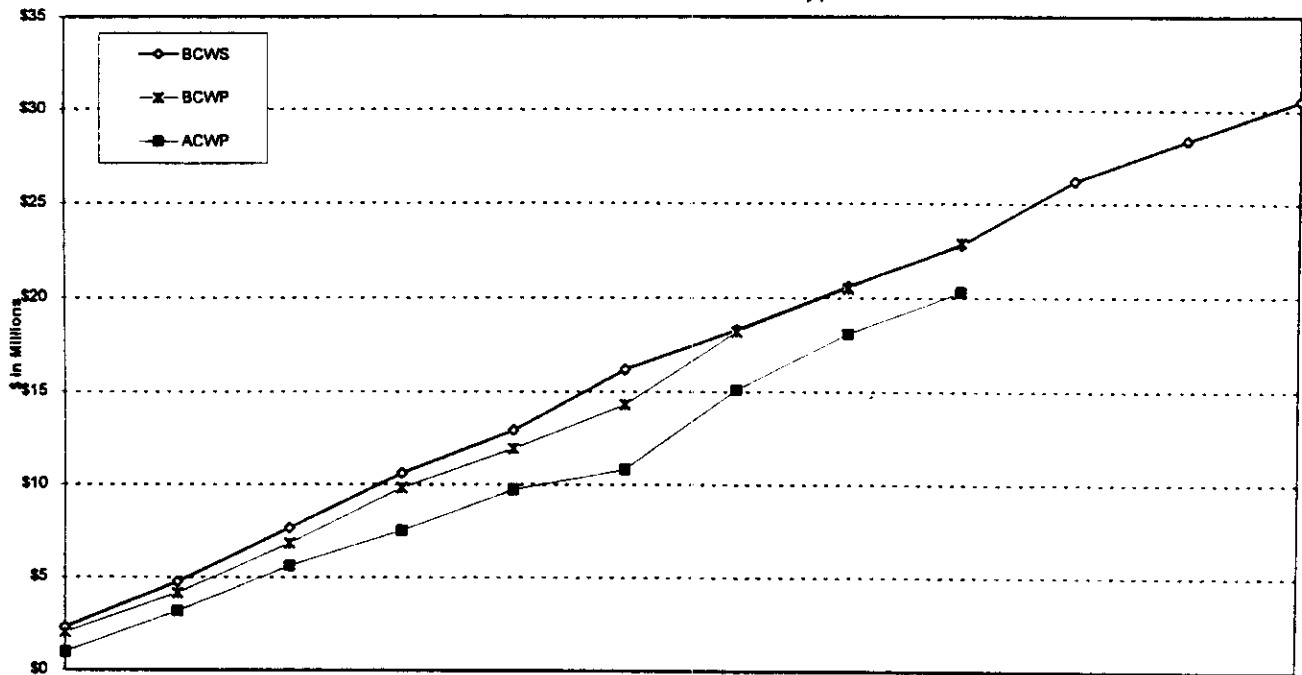
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	3.7	8.2	12.0	16.0	19.7	25.0	28.9	32.9	36.4	39.6	43.9	47.5
BCWP	3.5	7.4	10.4	14.8	17.7	23.6	26.7	32.2	36.5			
ACWP	2.3	5.8	8.8	11.7	15.0	19.3	22.2	26.3	29.9			
SV	(0.2)	(0.7)	(1.6)	(1.2)	(1.9)	(1.4)	(0.2)	(0.7)	0.1			
CV	1.3	1.6	1.6	3.1	2.7	4.2	6.5	5.9	6.6			

FYTD								
ADS			BCWS	BCWP	ACWP	SV	CV	Cur BSLN
1130-0		Expense	36.4	36.5	29.9	0.1	6.6	48.2
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0
Total 1130-0			36.4	36.5	29.9	0.1	6.6	48.2

\$ in Millions

Tank Safety Issue Resolution

FY 1998 Cost/Schedule Performance - All Fund Types - Cumulative to Date Status



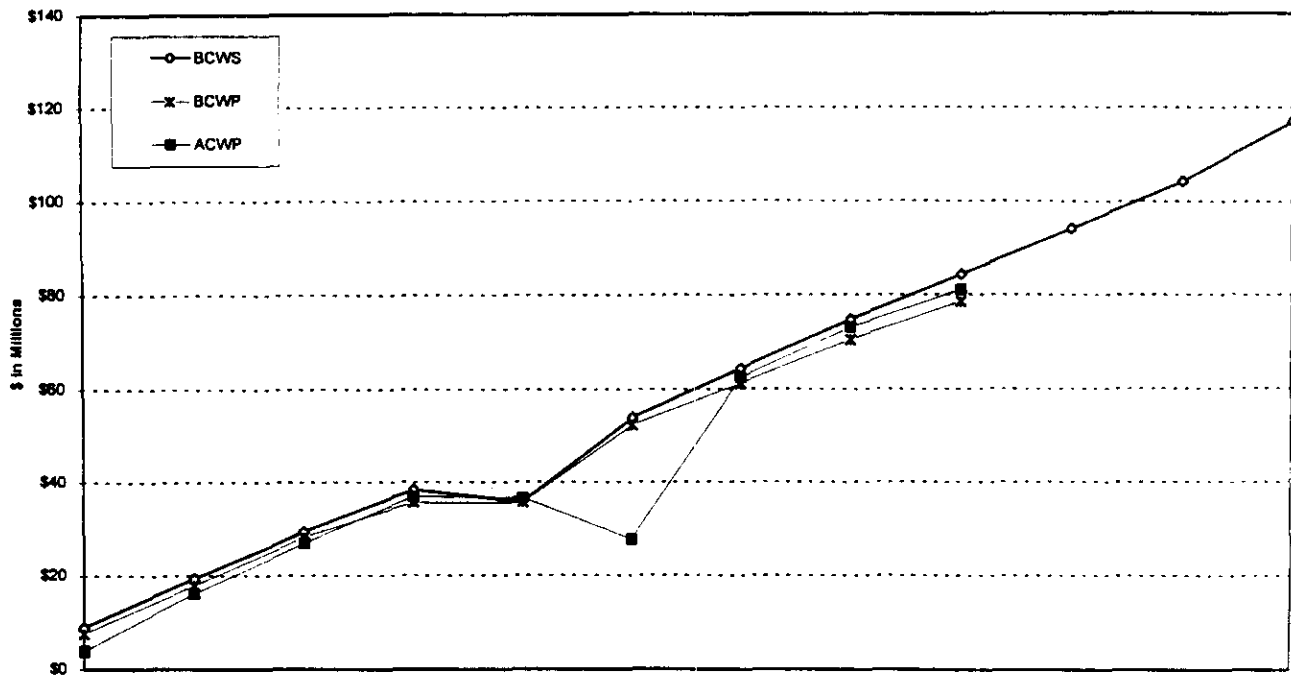
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	2.3	4.7	7.6	10.6	12.9	16.2	18.3	20.6	22.8	26.2	28.4	30.5
BCWP	2.0	4.1	6.8	9.8	11.9	14.3	18.2	20.5	22.9			
ACWP	1.0	3.2	5.6	7.5	9.7	10.8	15.1	18.1	20.3			
SV	(0.3)	(0.6)	(0.8)	(0.8)	(1.0)	0.0	(0.1)	(0.1)	0.1			
CV	1.0	1.0	1.2	2.3	2.2	3.5	3.0	2.4	2.6			

FYTD											PTS
					BCWS	BCWP	ACWP	SV	CV	Cur BSLN	
ADS											
1110-0				Expense	20.7	20.7	18.4	0.0	2.3	28.7	
				CENRTC	2.1	2.2	1.9	0.1	0.2	2.3	
				GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	
Total 1110-0					22.8	22.9	20.3	0.1	2.5	31.0	

\$ in Millions

Tank Farms Operations

FY 1998 Cost/Schedule Performance - All Fund Types - Cumulative to Date Status

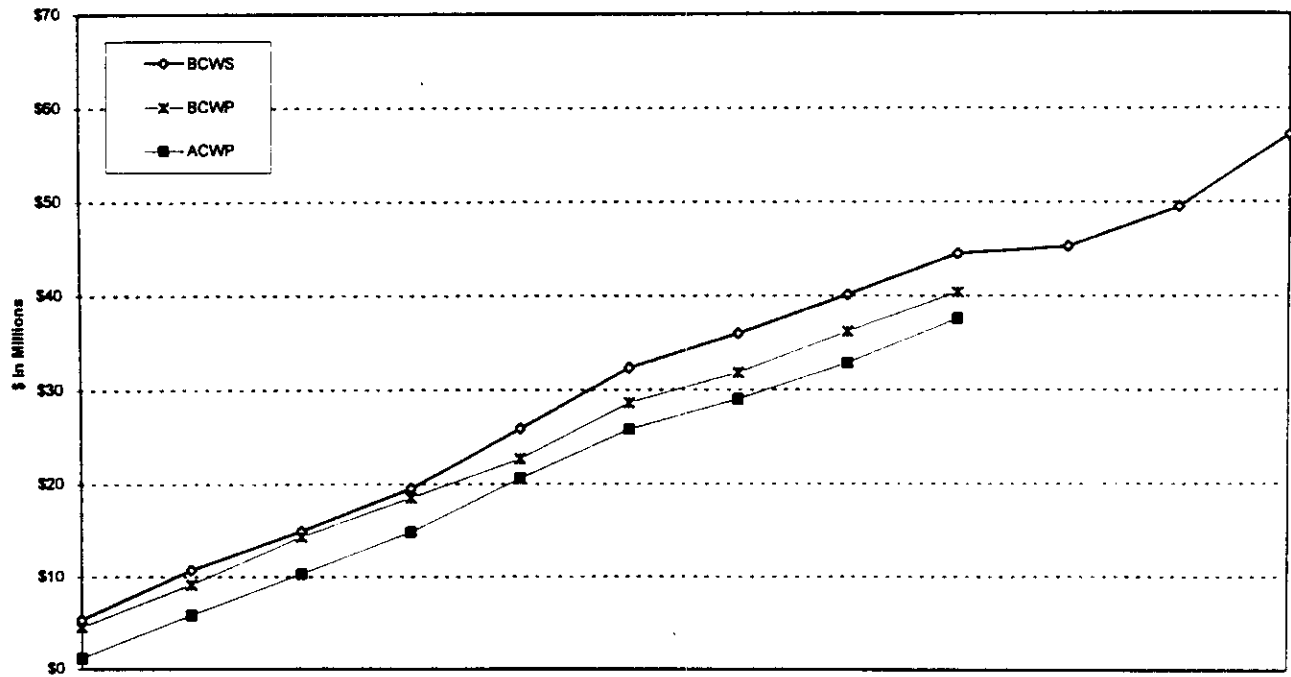


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	8.9	19.4	29.3	38.4	35.8	53.8	64.4	74.8	84.3	94.1	104.3	117.1
BCWP	7.6	17.8	28.2	35.6	35.6	52.2	61.2	70.5	78.6			
ACWP	3.9	18.1	26.9	36.9	36.6	27.7	62.4	73.1	81.1			
SV	(1.3)	(1.5)	(1.1)	(2.8)	0.0	(1.6)	(3.2)	(4.3)	(5.7)			
CV	3.7	1.8	1.3	(1.3)	(1.0)	(0.5)	(1.2)	(2.6)	(2.5)			

				FYTD					
				BCWS	BCWP	ACWP	SV	CV	Cur BSLN
ADS									
1100-0			Expense	61.2	59.2	63.3	(2.0)	(4.1)	83.8
			CENRTC	0.5	0.4	0.3	(0.1)	0.1	0.6
			GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0
		Subtotal 1100-0		61.7	59.6	63.6	(2.1)	(4.0)	84.4
1100-1									
			Expense	1.5	1.2	1.2	(0.3)	0.0	2.3
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	12.1	7.7	8.4	(4.4)	1.2	22.2
		Subtotal 1100-1		13.6	8.9	9.6	(4.7)	1.2	24.5
1120-2									
			Expense	2.0	2.3	1.8	0.3	0.5	2.0
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	3.0	3.6	3.2	0.7	0.4	3.0
		Subtotal 1120-2		5.0	5.9	5.0	1.0	0.9	5.0
1120-4									
			Expense	1.1	1.1	1.1	0.0	0.0	1.1
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	2.3	2.4	3.1	0.2	(0.7)	2.3
		Subtotal 1120-4		3.4	3.5	4.2	0.2	(0.7)	3.4
1.1.2.1 Tank Farms Operations									
			Expense	66.4	64.4	68.1	(2.0)	(3.6)	89.2
			CENRTC	0.5	0.4	0.3	(0.1)	0.1	0.6
			GPP/LI	17.3	13.8	12.8	(3.6)	1.0	27.5
		Subtotal TW03		84.2	78.6	81.2	(5.7)	(2.5)	117.3

Retrieval

FY 1998 Cost/Schedule Performance - All Fund Types - Cumulative to Date Status

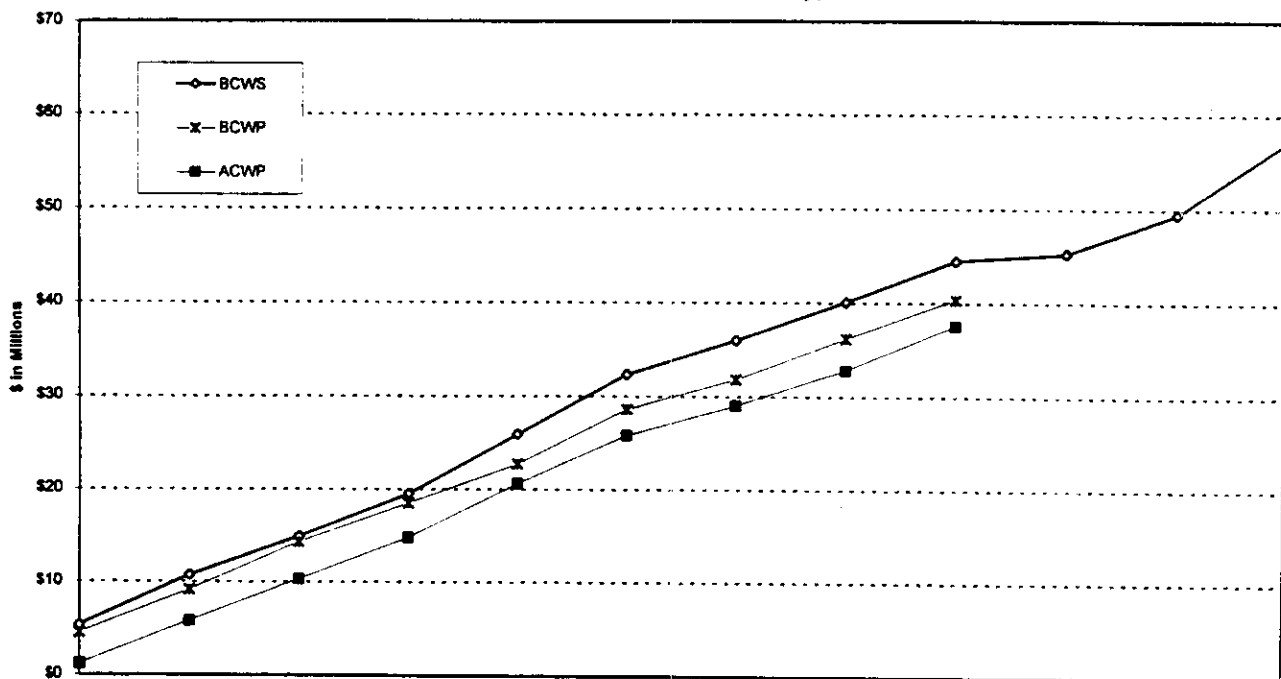


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	5.3	10.7	14.9	19.5	25.9	32.3	36.0	40.1	44.5	45.3	49.5	57.2
BCWP	4.5	9.1	14.3	18.5	22.7	28.6	31.8	36.2	40.4			
ACWP	1.2	5.8	10.3	14.8	20.6	25.8	29.0	32.8	37.6			
SV	(0.8)	(1.6)	(0.6)	(1.0)	(3.1)	(3.7)	(4.2)	(4.0)	(4.1)			
CV	3.3	3.3	4.0	3.7	2.2	2.8	2.9	3.3	2.8			

				FYTD					Cur BSLN
				BCWS	BCWP	ACWP	SV	CV	
ADS									
1210-0			Expense	20.9	17.1	17.2	(3.8)	(0.1)	29.3
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0
			Subtotal 1210-0	20.9	17.1	17.2	(3.8)	(0.1)	29.3
1210-2			Expense	0.3	0.1	0.1	(0.2)	0.0	0.3
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	0.0	0.0	(0.2)	0.0	0.2	0.0
			Subtotal 1210-2	0.3	0.1	(0.1)	(0.2)	0.2	0.3
1210-3			Expense	1.1	1.1	0.7	0.0	0.4	1.5
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	9.5	9.8	5.1	0.3	4.7	15.2
			Subtotal 1210-3	10.6	10.9	5.8	0.3	5.1	16.7
1210-4			Expense	12.7	12.3	14.6	(0.4)	(2.3)	14.9
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	0.0	0.0	(0.7)	0.0	0.7	0.0
			Subtotal 1210-4	12.7	12.3	13.9	(0.4)	(1.6)	14.9
1.1.3.1	Waste Retrieval		Expense	35.0	30.6	32.6	(4.4)	(2.0)	46.0
			CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI	9.5	9.8	5.0	0.3	4.8	15.2
			Subtotal TW04	44.5	40.4	37.6	(4.1)	2.8	61.2

Process Waste Support

FY 1998 Cost/Schedule Performance - All Fund Types - Cumulative to Date Status

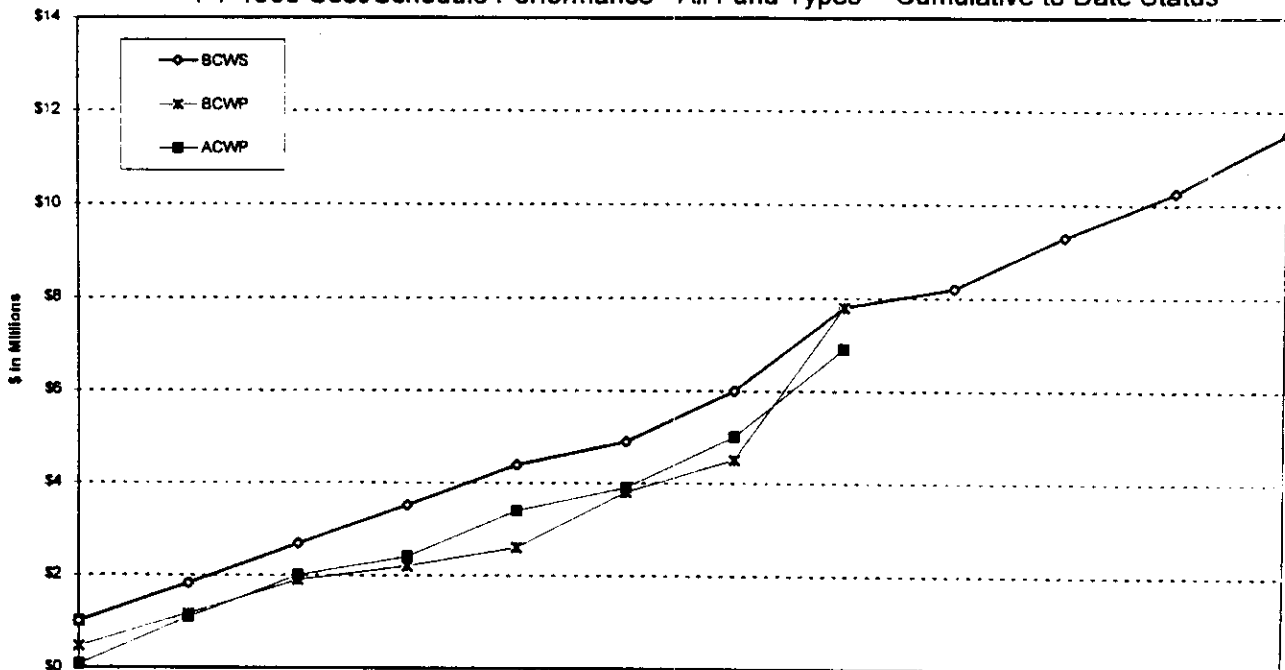


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	1.4	2.9	4.2	5.4	6.6	8.7	9.0	10.2	11.5	12.6	13.7	14.6
BCWP	0.8	2.2	3.3	4.8	6.2	7.5	8.6	10.0	11.4			
ACWP	0.6	1.9	3.1	4.3	5.5	5.7	6.0	9.0	10.2			
SV	(0.6)	(0.7)	(0.9)	(0.6)	(0.5)	(0.6)	(0.4)	(0.2)	(0.1)			
CV	0.2	0.3	0.2	0.5	0.7	0.5	0.6	1.0	1.1			

					FYTD					PTS
					BCWS	BCWP	ACWP	SV	CV	Cur BSLN
1.1.3.5	Process Waste Support		Expense		11.5	11.4	10.2	(0.1)	1.1	8.9
			CENRTC		0.0	0.0	0.0	0.0	0.0	0.0
			GPP/LI		0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal TW05				11.5	11.4	10.2	(0.1)	1.1	8.9

Immobilized Tank Waste Storage & Disposal

FY 1998 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status



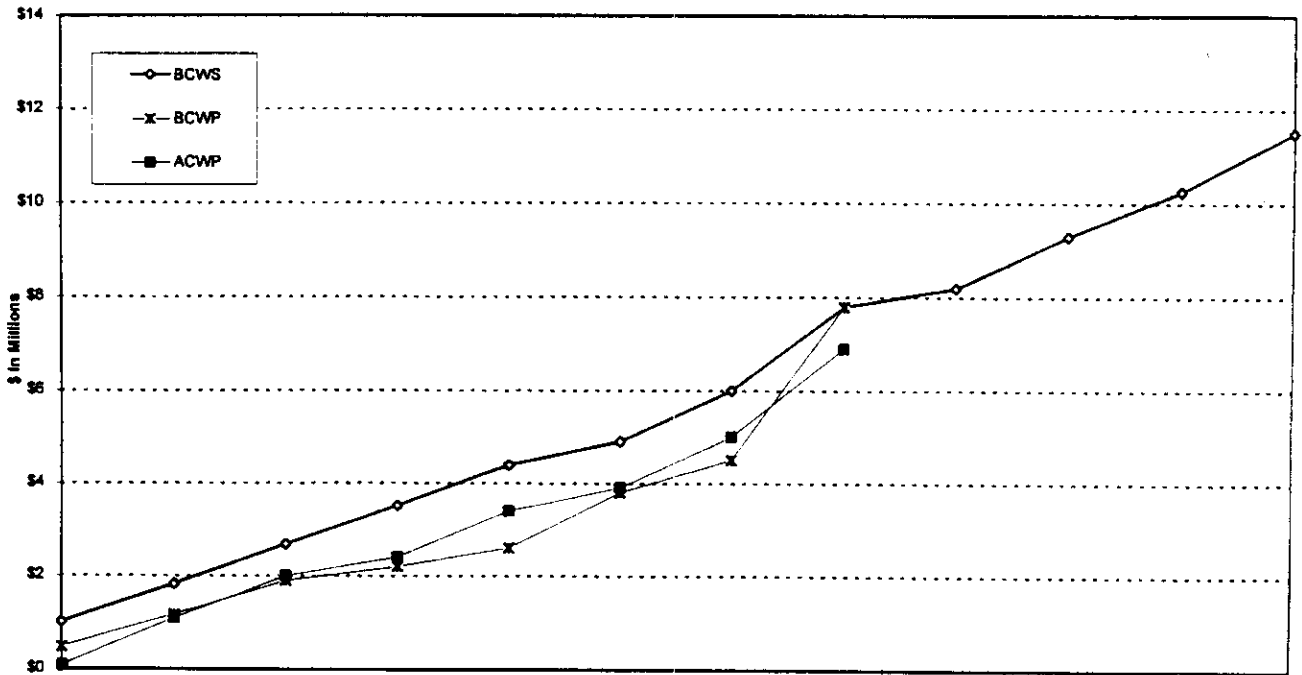
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	1.0	1.8	2.7	3.5	4.4	4.9	6.0	7.8	8.2	9.3	10.3	11.5
BCWP	0.5	1.2	1.9	2.2	2.6	3.8	4.5	7.8				
ACWP	0.1	1.1	2.0	2.4	3.4	3.9	5.0	6.9				
SV	(0.5)	(0.7)	(0.8)	(1.3)	(1.8)	(1.1)	(1.5)	0.0				
CV	0.4	0.1	(0.1)	(0.2)	(0.7)	(0.1)	(0.5)	1.0				

				FYTD					PTS	
				BCWS	BCWP	ACWP	SV	CV	Cur BSLN	
ADS										
1250-0			Expense	7.7	7.7	6.7	0.0	1.0	11.0	
			CENRTC	0.1	0.1	0.2	0.0	0.0	0.3	
			GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	
		Total 1250-0		7.8	7.8	6.9	0.0	1.0	11.3	

\$ in Millions

TWRS Project Management

FY 1998 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status

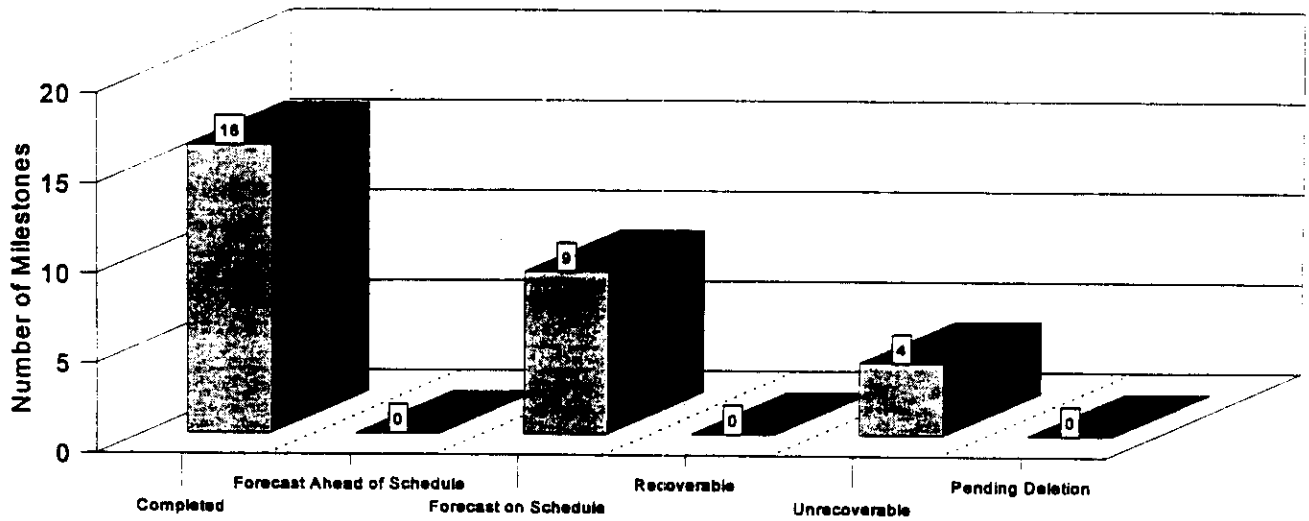


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	2.9	6.5	9.7	12.7	15.9	19.4	21.6	25.1	28.5	31.1	34.2	36.6
BCWP	2.6	6.0	8.9	12.0	15.0	18.2	20.4	24.5	27.7			
ACWP	2.3	5.8	8.6	11.3	14.4	16.2	18.2	21.9	25.7			
SV	(0.2)	(0.5)	(0.8)	(0.7)	(0.8)	(1.0)	(1.2)	(0.6)	(0.8)			
CV	0.3	0.2	0.3	0.7	0.6	2.0	2.2	2.6	2.0			

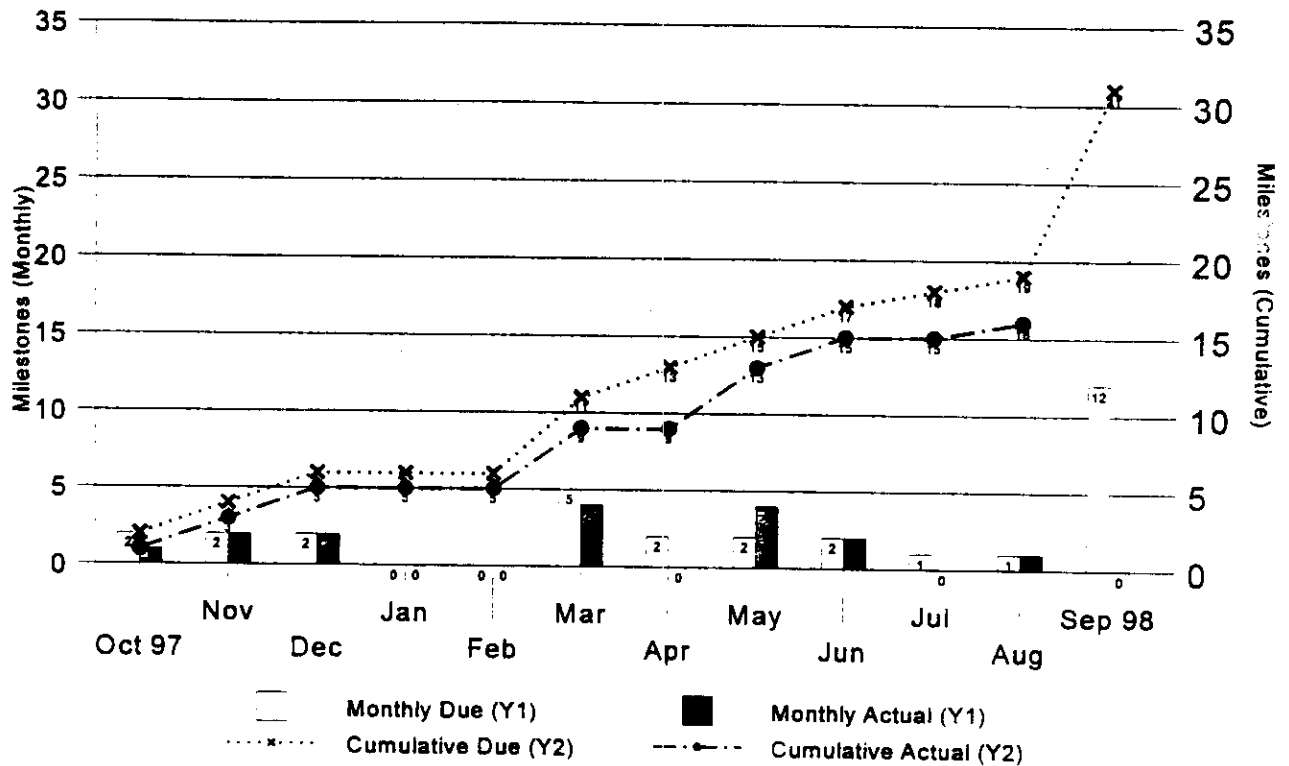
						FYTD					PTS
						BCWS	BCWP	ACWP	SV	CV	Cur BSLN
ADS											
1200-0											
Expense						28.5	27.7	25.7	(0.8)	2.0	40.4
CENRTC						0.0	0.0	0.0	0.0	0.0	0.0
GPP/LI						0.0	0.0	0.0	0.0	0.0	0.0
Total 1200-0						28.5	27.7	25.7	(0.8)	2.0	40.4

\$ in Millions

FY 1998 Milestone Performance



FY 1998 Milestone Plan



Fiscal Year 1998 Tri-Party Agreement Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion
				Ahead of Schedule	On Schedule			
M-43-07B	Complete construction of W-058	10/31/97	X					
M-45-03A	Initiate sluicing retrieval of C-108. Initiate sluicing retrieval of Tank 241-C-108 to resolve the high-heat safety issue and demonstrate waste retrieval Status Change Request M-45-97-08 was issued May 6, 1997. Currently at PCHB level.	10/31/97					X	
M-46-01D	Concurrence of additional tank acquisition	11/30/97	X					
M-60-14-T01	Submit approved DQOs for LAW feed staging	11/30/97	X					
M-32-02-T02	Upgrade existing transfer lines to meet secondary containment requirements	12/31/97	X					
M-90-01	Submit interim storage and disposal ILAW and interim storage ILW Project Management Plans (PMP) to Ecology	12/31/97	X					
M-43-01	Complete Project W-030 Tank Farm ventilation upgrades	3/31/98	X					
M-43-01C	Begin operation of W-030	3/31/98	X					

Fiscal Year 1998 Tri-Party Agreement Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion
				Ahead of Schedule	On Schedule			
M-41-23	Start interim stabilization of 8 single-shell tanks	3/31/98					X	
M-50-03	Complete evaluation of enhanced sludge washing to determine whether advanced sludge separation processes are required	3/31/98	X					
M-50-04-T01	Submit conceptual design of HLW pretreatment facility Status: The W-211 Title I design is planned to be used to complete this target date	3/31/98	X					
M-43-07	Complete Project W-058 Replacement of Cross-Site Transfer System (see M-43-07C)	5/31/98	X					
M-43-07C	Cross-Site Transfer System Operational	5/31/98	X					
M-51-04A-T01	Submit approved DQOs for HLW feed staging	5/31/98	X					
M-60-15-T01	Submit approved DQOs for LAW feed staging	5/31/98	X					
M-44-13B	Submit draft WRD to Ecology for FY 1999	6/30/98	X					
M-90-02-T01	Complete ILAW interim storage facility conceptual design	6/30/98	X					
M-60-10*	Select two (2) COCO contractors and issue DOE signed authorizations to proceed with Part B	7/31/98						

Fiscal Year 1998 Tri-Party Agreement Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion
				Ahead of Schedule	On Schedule			
M-44-14B	Submit Final WIRD to Ecology for FY 1999	8/31/98			X			
M-40-09	Close all unreviewed safety questions (USQ) for double-shell and single-shell tanks	9/30/98			X			
M-41-24	Start interim stabilization of 9 single-shell tanks	9/30/98					X	
M-41-27-T03	Complete salt well pumping of 8 single-shell tanks Status: Change Request M-41-98-01 submitted 7/2/98. Decision due from Ecology by 7/16/98 (Applies to both M-41-24 and M-41-27-T03)	9/30/98					X	
M-43-11	Provide the W-314 project construction schedule to Ecology	9/30/98	X					
M-44-15B	Issue Characterization Deliverables consistent with WIRD Developed for FY 1998	9/30/98			X			
M-44-16B	Complete input of WIRD	9/30/98			X			
M-45-02C	Submit annual update of SST retrieval sequence document for Ecology approval	9/30/98			x			
M-45-09C	Submit annual progress reports on the development of waste tank leak monitoring/detection and mitigation activities in support of M-45-08	9/30/98			X			
M-46-00E	Double-shell tank space evaluation	9/30/98			X			
M-51-02	Complete melter tests and select reference melter	9/30/98			X			
M-51-03-T01	Submit conceptual design (to include selected capacity and process) of HLW vitrification facility	9/30/98			X			
M-60-16-T01*	Submit approved DQOs for LAW feed staging	9/30/98						
TOTAL			16	0	9	0	4	0

*See footnote on page 1.

Change Request M-41-97-01

Received final determination. Draft Recovery Plan submitted on April 15, 1998.

Change Request M-41-97-02

Received final determination. Draft Recovery Plan submitted on April 15, 1998.

Change Request M-45-97-06

Final determination received by Ecology on October 8, 1997. RL disagrees with Ecology's findings, and is pursuing review of Ecology's determination through appeal to the Pollution Control Hearings Board. PCHB decision due by September 21, 1998.

Change Request M-41-98-01

Submitted to Ecology July 2, 1998. Disapproved by Ecology on July 16, 1998. DOE invoked dispute on July 21, 1998; elevated to IAMIT on August 20, 1998.

98-EAP-464

Dispute resolution for proposed SST corrective action elevated to IAMIT on August 21, 1998.

Milestone M-32-00, "Complete Identified Dangerous Waste Tank Corrective Actions"

Status:

- Completed M-32-02-T02, upgrade existing transfer lines to meet secondary containment requirements (12/97).

Issues:

- Waiting for identification of Ecology point of contact to re-initiate negotiations.

Milestone M-40-00, "Mitigate/Resolve Tank Safety Issues for High Priority Watch List Tanks"

Status:

- Received Closure Documents for the Organic Complexant Safety Issue from the contractor
- Forty SHMS now operating
- Completed final phase of lightning protection project.

Issues:

- Resolution of Flammable Gas Safety Issue
 - Extent of Delay: In review
 - Currently evaluating last year budget cuts and FY 1999 planning documents for impacts
- M-40-07 dispute extended to October 27, 1998 at IAMIT level.

Planned Activities:

- Finalize and issue Organic Solvent Safety document
- Submit closure documentation of the Organic Complexant Safety Issue to Ecology Watchlist
- Submit organic complexant issue resolution documentation to Ecology for M-40-00
- Continue to refine the analysis tool and framework for DST and SST safety issue resolution
- Provide 21 TMACS connections on Watch List Tanks
- Update Vapor Space Monitoring Report.

Milestone M-41-00, "Complete Single Shell Tank Interim Stabilization" (see handout)

Milestone M-43-00, "Tank Farm Upgrades"

- M-43-11, "Provide the W-314 Project Construction Schedule to Ecology" (9/30/98)

Status:

- Submitted letter transmitting the Project Construction Schedule to WDOE on August 20, 1998.

- Submitted letter notifying completion of M-43-12 "Start construction for upgrades in the first tank farm" to WDOE on August 6, 1998
- AY Tank Farm Upgrades design completed May 1998
- AW Valve Pit Upgrades design started June 1998.

Issues:

- A proposed change to the transfer pipe route is being considered by RL; this has delayed the start of construction on the 200E upgrades package. The new route provides improved operating efficiencies, reduction in worker exposure, and a cost savings during construction phase. No milestone impacts are anticipated.

Planned Activities:

- AZ Tank Farm Upgrades planned to complete September 1998
- Rebaseline report planned to be complete November 1998
- Master Pump Shutdown Upgrades design in process - completion planned December 1998
- AY Tank Farm Upgrades construction planned to start April 1999.

Milestone M-44-00A, "Issue Tank Characterization Reports (TCRs) Based on Process Knowledge, Prior Characterization Data, and Validated Empirical Data Acquired After May 1989 for 177 Hanford High Level Waste Tanks."

Status:

- Received Final FY 1999 Waste Information Requirements Document (WIRD) from PHMC on August 12 1998. Delivery to Ecology is planned to meet Milestone M-44-14B, due to August 31, 1998.
- Completed sampling and analysis data entry for the month per the FY 97-98 WIRD.
- Obtained core samples for tanks BY-105, C-104, SX-102, and U-107. Obtained grab samples for tanks AN-102, AY-102, S-304, and ER-311. Sampling status as of August 16, 1998 is as follows:

	Tanks Scheduled/Completed	Samples Scheduled/Completed	FY-98 Commitment
Auger	1/1	2/4	2*
Push	5/5	7/7	28
Rotary	10/11	19/22	
Vapor	10/10	10/10	10
Grab	29/31	29/31	30

*For Hanford Tanks Initiative

- Field sampling in support of RL Milestone T01-98-113, "Complete 28 Core Samples," was completed week ending August 9, 1998.
- Field sampling in support of RL Milestone T01-98-116, "Complete 30 Grab Samples," was completed week ending August 16, 1998.
- Received draft New TCRs for tanks AX-101 and AX-103 for review.
- Received draft Revised TCRs for tanks AW-101, AW-103, and SY-102 for review.

	FY-98 Commitment	Completed to Date
New TCRs	16	11
Revised TCRs	10	2

Issues:

- The schedule for completion of three of the 16 total new TCRs is behind, however, additional resources have been secured to expedite this work to meet the fiscal year end commitment. Progress continues to be monitored.

Planned Activities:

- Partnering meeting scheduled for August 24, 1998.
- Final WIRD for FY 1999 (M-44-14B) due August 31, 1998.
- Issue Status Report on FY 1998 WIRD deliverables (M-44-15B) due September 30, 1998.
- Input FY 1998 Characterization Sampling and Analysis Information into Electronic Database (M-44-16B) due September 30, 1998.

M-45-00, "Complete Closure of All Single-Shell Tank Farms"

Status:

- SST Retrieval Working Group
 - Single-Shell Tank Retrieval Logic and Scoping Analysis submitted to RL.
- M-45-02C: SST Retrieval Sequence
 - Revision of retrieval sequence on schedule for September 1998.
- M-45-03A: C-106 Sluicing
 - Contractor completed ORR and submitted Readiness to Proceed letter to RL on August 14, 1998
 - RL Manager approved start of DOE ORR on August 21, 1998
 - DOE ORR initiated August 26, 1998
 - Initiation of sluicing on schedule for September 30, 1998.

Issues:

- C-106 major punch list items.

Planned Activities:

- Convene a meeting of the SST Retrieval Working Group in September/October time frame.
- Obtain approval to initiate sluicing of C-106
- Complete SST Retrieval Sequence document by end of fiscal year.

Milestone M-46-00, "Double-Shell Tank Space Evaluation"

Status:

- On schedule for M-46-00E, due September 1998

Issues:

- None.

Planned Activities:

- Complete data collection and analysis for completion of milestone.

Milestone M-50-00, "Complete Pretreatment Processing of Hanford Tank Wastes"

Milestone M-51-00, "Complete Vitrification of Hanford High Level Tank Wastes"

Milestone M-60-00, "Complete Vitrification of Hanford Low Level Tank Wastes"

Milestone M-61-00, "Complete Pretreatment and Immobilization of Hanford Low Activity Tank Wastes"

Status:

- The TWRS Privatization Report To Congress was submitted to Congress on July 21, 1998. On August 24, 1998, DOE and BNFL signed the modification to the contract to allow BNFL to proceed into Part B of the contract.

This next part of the contract will have BNFL 1) optimize the LAW and HLW waste treatment and immobilization system, mitigate risk, and reduce contingencies in the waste treatment and immobilization system defined during Part A; 2) revise the technical, operational, regulatory, and financial elements of the waste treatment and immobilization system; 3) provide firm fixed-unit prices for waste treatment and immobilization services; and 4) perform all the contractor activities necessary to reach financial closure for privatized facilities.

The period for the performance of the Part B-1 work scope is the 24 months after the Authorization to Proceed (August 24, 1998 to August 24, 2000). If BNFL performs that work scope and meets specific criteria, BNFL will receive a payment of \$50M.

- During the first 10 years of facility operations, BNFL will:
 - Vitrify the waste in six tanks
 - Four of the six Watchlist tanks (hydrogen)
 - Tank C-106 - the only SST requiring water addition due to high heat
 - Tank AN-107 - tank highest in complexants, soluble Sr and TRU
 - Approximately 10% of the tank waste by mass
 - 20 - 25% of tank volume by radioactivity
 - Pretreat the two tanks highest in activity (tanks AZ-101, AZ-102)
 - Provide tank space equivalent to seven DSTs for SST retrieval
 - Perform sludge washing - freeing up one DST, reduce feed delivery risk, provide enhanced separation compared to in-tank sludge washing.

Issues:

- None.

Planned Activities:

- Key Deliverable in the next 4-6 months
 - Develop methodologies for:
 - Pricing and repricing
 - Equitable adjustments
 - Idle facilities payments
 - Contingency management
 - Sharing of cost savings
 - Initial project schedule and cost estimate
 - Financial system/certified cost and pricing data
 - Key Deliverable at the end of the Design Phase
 - ~ 30 percent process and facility design
 - Final schedule and cost estimate
 - Regulatory and permitting deliverables
 - Documentation required for project finance
 - Fixed-unit prices

- Structure of the project company
- Equity commitment
- There has been a great deal of public interest in the contract and the report. Presentations have been made to Congressional Staffers and stakeholders regarding the content and the structure of the contract. Congress may request hearings in September to discuss the BNFL contract in greater detail.

Milestone M-90-00, "Complete acquisition of new facilities, modifications of existing facilities, and/or modifications of planned facilities, as necessary to conduct interim storage of Immobilized High Level Waste and storage/disposal of Immobilized Low Activity Tank Waste"

Status:

- M-90-01, Submit Interim Storage and Disposal ILAW and Interim Storage IHLW PMPs to Ecology" (12/97)
 - Project Management Plans were completed and delivered to Ecology in December 1997
 - Responses to comments from Ecology have been prepared
 - Ecology and DOE have agreed to update the PMP following the rebaselining to the privatization contract
- M-90-02T, Complete ILAW interim storage facility conceptual design (6/98)
 - Conceptual design has been delivered to Ecology (6/98)
- M-90-05T, Submit final ILAW disposal facility Performance Assessment to Ecology for review (12/01)
 - Performance Assessment has been transmitted to DOE-HQ and Ecology (6/98)
- M-90-07T, Complete ILAW disposal facility conceptual design (6/00)
 - Conceptual design is being reviewed
- M-20-00, Submit Part B Permit Applications
 - M-20-57, Submit interim ILAW facility Part B permit application to Ecology (12/2000)
 - Project W-465 ILAW Interim Storage Facility NOI has been prepared. The NOI is pending a decision on Project W-465 scope (storage versus disposal).

Issues:

- TPA Change Request drafted by DOE and PHMC. M-90 and M-20 milestones modified to reflect W-465 scope change from storage to disposal.
- Letters are being drafted to DOH requesting sealed source determination for IHLW and ILAW canisters.
- W-464 Permit Plan, Rev. 1, was issued in May; is available for review if desired.

Planned Activities:

- Submit M-90 and M-20 Change Request for Ecology consideration
- Validation of Project W-464 and W-465 are pending privatization decisions
- HLW NOI is out for review; scheduled for November completion.

Other

- **Permitting**

Clean Air Act

- Completed WDOH Notice of Correction for High-Efficiency Particulate Air Filter testing, sent to WDOH in June 1998.
- Rotary Mode Core Sampling Toxic Air Pollutant Notice of Construction was completed and sent to WDOE in July 1998.
- Generic Nonradioactive Notice of Construction for Saltwell Pumping Single Shell Tanks was completed and sent to WDOE in August 1998.
- Exhaust Stack 296-S-15 Duct Replacement Response to a WDOH inquiry sent in July 1998.
- Completed Notice of Construction approval conditions requirement for W-030 for Volatile Organic Compounds and Ammonia Testing. Sent to WDOE August 1998.
- Completed and sent the New Source Review Exemption request for operation of the AY/AZ tank farm stack 296-A-42 increase flow to 0.5 Cubic Meters Per Second, August 1998.
- Complete all responses to WDOH Notice of Violation of Air Emission Regulations at 241-AY/AZ Stack 296-A-42.

Resource Conservation and Recovery Act Activities

- Ecology needs to identify a point-of-contact for TWRS RCRA permit applications
- Hanford Facility RCRA Permit
 - Permit condition II.U.W, which required mapping and marking of waste piping outside the fences enclosing 200 East and 200 West Areas (CSTS), was completed (9/97).
- Double-Shell Tank RCRA Part B Permit Application
 - On schedule to be completed June 1, 1999
 - Eight chapters completed (Chapters 1, 5, 6, 8, 9, 10, 12, and 13)
 - Seven chapters still outstanding (Chapters 2, 3, 4, 6, 11, 14, and 15)
 - Discussions being held with Ecology on a monthly basis
- Final Safety Analysis Report (FSAR)
 - Final FSAR currently under Tier II review by TWRS
 - Approval authority has been delegated from DOE-HQ to RL
 - Approval planned for completion in FY 1998
 - Implementation planned for FY 1999.
- Vadose Zone
 - Status:
 - TWRS has assigned Dr. Jim Poppiti as Acting Vadose Zone Project Manager.
 - DOE has finalized the TWRS Vadose Zone Program Plan as Revision 0. Plan will be used to support MYPP budget request beginning in FY 99. DOE will continue to resolve any comments via the Interagency team meetings and will reissue plan as necessary.

- Continued data collection and analysis of existing boreholes under the spectral gamma logging program.
- Agnew Report on SST historical leak loss estimates for four SX tanks finalized.
- Briefed the 7/16-17 national lab meeting on the vadose zone efforts underway in TWRS as part of the Vadose Zone Groundwater Integration effort. The briefing identified TWRS mission and various decisions and what workscope is underway to address decisions. Topics included ILAW, Vadose Zone Program Plan, and HTI Retrieval Performance Evaluation (RPE).
- HTI RPE team briefed the labs on 8/25/98 on results to date concerning inventory analysis within the RPE.

Issues:

- Sitewide Vadose Zone/Groundwater Integration initiative continues to expand its understanding of TWRS program activities and decisions. A thorough understanding is required to ensure that vadose zone data and analysis is completed to meet TWRS programmatic and regulatory needs based on the Tri-Party Agreement.
- Concerns with contaminant transport modeling and risk assessments based, in part, on vadose zone data, pose potential risks to near-term TWRS program activities such as the PA for the ILAW facilities.
- RCRA Corrective Action discussed at IAMIT level. Ecology has not determined regulatory path (TPA vs. RCRA Order). Continued meetings are planned with Ecology to resolve technical path.

Planned Activities:

- Waste Management Northwest and DB Stephens Associates have been selected to prepare a detailed characterization plan for initial characterization locations as per agreement of the Interagency team. SX and BX are identified farms.
- Complete spectral gamma logging effort.
- Public Involvement
 - Health Safety and Waste Management Committee
 - August 11, 1998, Kennewick
 - September 9, 1998, Pendleton
 - Dollars and Sense Committee
 - July 15, 1998, Richland
 - August 11, 1998, Kennewick
 - Hanford Advisory Board
 - September 9-10, Pendleton
 - Privatization
 - Public forum held August 12, 1998.

Tank Waste Remediation System
Tri-Party Agreement Project Manager's Meeting
Milestones M-20 through M-90
August 27, 1998

U.S. Department of Energy –
Richland Operations Office

C.C. Haass	A6-54*
D.H. Irby	S7-54
P.E. LaMont	A0-21
F.R. Miera	A5-15*
B.L. Nicoll	A0-21
C. Pacheco	S7-54
M.J. Royack	S7-54

Washington State Department of Ecology

J. Grantham	Lacey Office
A.B. Stone	B5-15*
S.E. McKinney	Lacey Office
C. O. Ruud	B5-18

Fluor Daniel Hanford Corporation

M.A. McLaughlin	G3-27*
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Jacobs Engineering Group Inc.

L.R. Roeder-Smith	B1-40*
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Lockheed Martin Hanford Corporation

V.L. Wagner	R1-90*
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MACTEC

W.J. Stokes	H5-03
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ADMINISTRATIVE RECORD:

Double-Shell Tanks TSD S-2-3
Single-Shell Tanks TSD S-2-4
Tank Waste Remediation System
TPA Milestones M-20, M-32, M-40, M-41,
M-43, M-44, M-45, M-46, M-50, M-51, M-
60, M-61, M-90
Care of: EDMC, RFSH H6-08

Washington State Department of Ecology
Nuclear and Mixed Waste Hanford Files
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